Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-13. (Previously canceled).

Claim 14. (Original) A method of interleaving and rate matching parallel concatenated convolutional coded data by deletion of coded data bits, the coded data bits comprising systematic bits and parity bits, including the steps of interleaving the systematic bits separately from the parity bits, and deleting parity bits from the interleaved parity bits to provide the rate matching.

Claim 15. (Original) Coding, interleaving, and rate matching apparatus arranged to carry out the method of claim 14.

Claim 16. (Original) A method of interleaving and rate matching parallel concatenated convolutional coded data by repetition of coded data bits, the coded data bits comprising systematic bits and parity bits, including the steps of interleaving the systematic bits separately from the parity bits, and repeating parity bits of the interleaved parity bits with a greater repetition factor than any repetition of systematic bits of the interleaved systematic bits, to provide the rate matching.

Claim 17. (Original) Coding, interleaving, and rate matching apparatus arranged to carry out the method of claim 16.

Claim 18. (New) A method of shuffling a plurality of data streams each of which comprises a plurality of bits and each of which resulted from the method of Claim 14 comprising:

inserting bits of one data stream into a second data stream to result in a shuffled data stream.

Claim 19. (New) The method according to Claim 18, further comprising:

adding bits of a data stream into the shuffled data stream to produce a new shuffled data stream; and,

recursively performing the adding function for each data stream in excess of three data streams.

Claim 20. (New) A method of shuffling a plurality of data streams each of which comprises a plurality of bits and each of which resulted from the method of Claim 16 comprising:

inserting bits of one data stream into a second data stream to result in a shuffled data stream.

Claim 21. (New) The method according to Claim 20, further comprising:

adding bits of a data stream into the shuffled data stream to produce a new shuffled data stream; and,

recursively performing the adding function for each data stream in excess of three data streams.